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# ROUTING AND RECORD SHEET

**SUBJECT:** (Optional)

ISB Meeting with IBM (Doherty) - 12/10/87

**FROM:**

SA/EXDIR
7E12 HQS

**EXTENSION**

**NO.** ER 3913-87

**DATE** 4 December 1987

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| TO: (Officer designation, room number, and building) | DATE RECEIVED | DATE FORWARDED | OFFICER'S INITIALS | COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.) |
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Central Intelligence Agency

Washington, D.C. 20505

ER 3913-87
4 December 1987

Mr. Walter Doherty
IBM Watson Research Lab
PO Box 218
Yorktown Heights, New York 10598-0218

Dear Walter:

We are delighted that you will be able to meet with us next week to share your views on computing as a tool for human augmentation.

Enclosed is some information describing the CIA, how we use information technology, and the participants in next week's meeting. If you have any questions, please call me at [redacted] STAT
[redacted] STAT

Sincerely,

/signed/ [redacted] STAT

Enclosures
1. Background for Meeting
2. Intelligence Community Chart (Orig Only)
3. CIA Organization Chart (Orig Only)

DCI/EXDIR [redacted] (4 Dec 87) STAT

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BACKGROUND

**CIA Information Systems Board Meeting in New York City during 10-11 December 1987**

Information Technology at the CIA

The Central Intelligence Agency is an information business. We gather information from around the world -- through clandestine means such as human agents, through technical means such as signals or imagery, and through open sources such as diplomats or press reports. This information flows into our Headquarters where it is refined through extensive processing and analysis. Our product, finished intelligence, is then passed on to our customers, principally the President and other National decision makers. The CIA might be characterized as a specialized provider of news and information services to the Government.

As our customers have turned to the Agency to produce better intelligence more rapidly and dealing with a wider range of issues, the Agency has turned to technology to achieve the productivity gains necessary to satisfy ever increasing demands. The past decade has seen an extraordinary proliferation of information systems within the Agency. There is a strong corporate commitment to provide every employee with the information processing tools necessary to get the job done; today most employees have some sort of workstation at their desk. We spend a significant portion of our budget on technology which moves, stores or processes information. We are dependent upon information technology to fulfill almost every aspect of our mission.

To support general-purpose computing and corporate applications, the Agency operates more than twenty large IBM systems (308X and 309X processors running VM and MVS). We have several Unisys systems (119X processors) and a Cray for specialized intelligence applications. The most common mid-range computers are Digital Equipment VAX systems, also supporting specialized intelligence applications. A large base of teletype terminals is being replaced with IBM-compatible personal computers (using the IBM 3270 protocol). Some of our more sophisticated applications are based upon SUN workstations. The Wang Alliance is our ubiquitous office system, although growing numbers of Wang VS systems are being acquired. Within our Headquarters, voice and data connectivity is provided by a large network of digital PBXs. We are beginning to replace our dedicated telecommunication circuits in the Washington area with an IBM SNA-based network. Similar efforts are underway to migrate our telecommunications between our Headquarters and the field to an X.25-based network.

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## Management of Information Technology

In many respects, the Agency bears little resemblance to the popular image of Government. The Agency tends to decentralize authority and responsibility. The result is a "federal system" for managing information technology in which corporate services are centrally managed and customer-specific services are decentralized.

The central services are provided by the Directorate of Administration. The Office of Information Technology provides centralized data processing and domestic telecommunications services. The Office of Communications provides centralized telecommunications between Headquarters and our offices overseas. While many of our corporate systems are built and operated by these two offices, neither has a monopoly.

Three of the four directorates within the Agency have their own information service organizations. The Office of Information Resources deals with information technology matters for the Directorate of Intelligence, as does the Information Management Staff for the Directorate of Operations and the Office of Information Technology for the Directorate of Administration. Due to the nature of the Directorate of Science and Technology, information services are decentralized with coordination at the directorate-level.

The Executive Director deals with management issues which span the directorates. The Information Systems Board is an executive steering committee which assists the Executive Director in fulfilling this responsibility as it relates to the management of information technology.

## Information Systems Board

You will be meeting with:

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Executive Director (and chairman).

Director of Information Resources (Directorate of Intelligence).

Chief, Information Management Staff (Directorate of Operations).

Director of Security (Directorate of Administration).

Director of Communications (Directorate of Administration).



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[redacted] Deputy Director of Information Technology (Directorate of Administration). [redacted] the Director of Information Technology, will be unable to attend. STAT STAT

Deputy Comptroller.

Jim Hirsch, Associate Deputy Director for Science and Technology will be unable to attend; [redacted] his assistant for matters pertaining to information technology, is attending in his place. Also present is [redacted] an assistant to [redacted] STAT STAT STAT



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